



Ultra Messaging® Persistence Edition

Robust, High-Performance Guaranteed Messaging

BENEFITS

- Parallel Persistence® feature provides guaranteed messaging with streaming performance
- Hot/hot (“zero latency”) failover with no HA or SAN hardware required
- Ultra-low latency – nanoseconds with IPC, microseconds with 10G or IB
- Scalability – deploy new applications/servers without worry
- Throughput – up to several millions of messages per second
- Cost Reduction – reduce server footprint, save energy costs
- Agility – grow your business quicker with better IT agility

Parallel Persistence® Eliminates Messaging Brokers and Single Points of Failure

With Ultra Messaging Persistence Edition (UMP), you get all of the performance and functionality of the base Streaming Edition plus our revolutionary Parallel Persistence® technology, which provides streaming performance with persistence and zero latency hot/hot failover, all on commodity hardware.

Parallel Persistence provides guaranteed messaging with streaming performance – even during receiver failover or late join – by removing the persistence functionality from the streaming traffic path. Simply stated, the UMP store receives streaming traffic just like any other receiver, and persists messages with asynchronous writes to disk, but only sends messages to late joining or failover receivers at their request.

The end result: robust streaming performance plus persistence, even during failover, and with near-zero “jitter”, with no HA or SAN hardware required.

Ultra Messaging is also well-known for its scalability and agility. The scalability is nearly linear, which increases your business and IT agility: to deploy a new application in production, just add a server and “re-grade the load” with little concern for affecting the performance of existing applications.

Availability and failover is robust because the decentralized “nothing in the middle” design of Ultra Messaging removes single points of failure. Less hardware, of course, means less hardware to purchase, power, and manage. And one UMP customer not only reduced their messaging hardware needs by 50% and still improved performance by over 500% – with vastly improved failover latencies, and near-zero “jitter”.

Ultra Messaging offers performance with a wide range of choices, to accommodate a wide range of business and application requirements, allowing standardization across the front, middle, and back office.

Ultra Messaging Persistence Edition Key Features

Guaranteed Messaging, Performance, Scalability, Availability – with Less Hardware

- Parallel Persistence – for streaming performance plus persistence (even during failover) and near-zero “jitter”, with no HA or SAN hardware required.
- Ultra-Efficient Daemon-less / Broker-less Design – delivers excellent performance even on commodity hardware, with the headroom to perform even better on high-end hardware
- Extreme Performance – prioritize for ultra-low latency, or very high throughput, or anything in between with our versatile configuration options
- Smaller Server Footprint – less hardware means less expense and IT headaches, fewer single points of failure across the enterprise, and simpler disaster recovery planning
- Near-linear Scalability – add applications and servers without worry about stability or performance
- True 24x7 Availability and Hot/Hot Failover – very robust and stable, with no single points of failure, Ultra Messaging is always available when your applications are available
- Leverage Technology Upgrades – efficiency means instant benefits from high-performance and multi-core processors, 10GigE, InfiniBand, Non-Uniform Memory Architectures, etc.
- Wide Range of Network Transport Protocols – IPC, RDMA, Accelerated Multicast with kernel bypass, Reliable Multicast, Reliable Unicast, TCP
- Efficient Message Filtering and Sequencing – stabilizes your network and reduces network bandwidth and “jitter” by filtering messages as early as possible and copying them as late as possible
- Includes Ultra Messaging Gateway – send across the WAN and across the world

Additional Options

- UMDS – managed TCP fan-out to the desktop
- UMCache – archive/replay, compliance and go-live testing, etc.
- UMM – management console for centralized control of applications
- UMWeb – scalable streaming messages to diverse mobile devices and browsers
- SNMP Agent – network monitoring

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Worldwide Headquarters, 100 Cardinal Way, Redwood City, California 94063, USA
phone: 650.385.5000 fax: 650.385.5500 toll-free in the US: 1.800.653.3871 www.informatica.com